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J1017 U.S. PTO  
10/086214  
02/27/02

Atty. Docket No.: 3175-Z

**UTILITY PATENT APPLICATION TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. §1.53(b))

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of:

INVENTOR(S):

1. Laung-Terng (L.-T.) Wang, Sunnyvale, California
2. Ming-Tung Chang, Hsinchu, Taiwan
3. Shyh-Horng Lin, Taipei, Taiwan
4. Hao-Jan Chao, Taoyuan, Taiwan
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6. Hsin-Po Wang, Hsinchu, Taiwan
7. Xiaoqing Wen, Sunnyvale, California
8. Po-Ching Hsu, Hsinchu, Taiwan
9. Shih-Chia Kao, Taipei, Taiwan
10. Meng-Chyi Lin, Taoyuan, Taiwan
11. Sen-Wei Tsai, Hsinchu, Taiwan
12. Chi-Chan Hsu, Hsinchu, Taiwan

TITLE: Method and Apparatus for Diagnosing Failures in an Integrated Circuit Using Design-for-Debug (DFD) Techniques

1. ☒ Specification of 39 pages.  
☒ Claims, 83 in number.  
☒ Abstract.
2. ☒ Drawings. Total Sheets: 22
3. ☐ Oath or Declaration.  
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 5 completed)

i. ☐ DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

4. ☐ Application Data Sheet. See 37 CFR 1.76.

- 5a. ☐ If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP):  
of prior application Serial No.: \_\_\_\_\_

Prior application information: Group Art Unit: \_\_\_\_\_ Examiner: \_\_\_\_\_

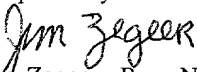
**For: CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 3b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application part.

- 5b. ☒ Nonprovisional application based on:  
Provisional Application Serial No. 60/272,064 filed March 1, 2001.
6. ☒ Applicant claims small entity status. (see 37 CFR 1.27)
7. ☐ An assignment of the invention to: \_\_\_\_\_
8. ☐ A certified copy of \_\_\_\_\_ application No. \_\_\_\_\_ filed \_\_\_\_\_, the priority of which is hereby claimed.
9. ☐ Preliminary Amendment
10. ☐ Information Disclosure Statement (IDS) PTO-1449  
☐ Copies of IDS Citations.
11. ☒ Return Receipt Postcard (MPEP 503)
12. ☐ Other:
13. ☒ The filing fee has been calculated as shown below:

For	No. Filed	Basic	No. Extra	Rate \$	Calculations
Total Claims	83	20	63	\$ 18.00	\$1,134.00
Indep. Claims	11	3	8	\$ 84.00	\$ 672.00
<input type="checkbox"/> Multiple Dependent Claims				\$280.00	\$
BASIC FEE					\$ 740.00
TOTAL OF ABOVE CALCULATIONS					\$2,546.00
<input checked="" type="checkbox"/> Reduction by 1/2 For Filing By Small Entity					\$1,273.00
TOTAL FILING FEE					\$1,273.00

14. ☒ It is requested that the attached application be given a serial number and filing date and that correspondence concerning this application be forwarded to applicants' undersigned counsel.
15. ☒ Correspondence Address:  
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Respectfully submitted,

  
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Attorney for Applicant

Date: February 27, 2002